Mo – Cu, Ag, Au

C.A. 1980, 93, N20.

Отдел 4598

1971

HOMg
HOAu

Cocke D. L.,
Gingerich K. A.

Do

J. Phys. Chem., 1971,
75, N 21, 3264.

● (Au. HO_2) I

Отпеск 4652 1972

Gingerich K.A.,
Chimia, 1972, 26, N 12
Do (Ho - Au)

Ho Ag Bp-5398-VIII 1972

Ho Ag2

(Do) Fingerich K. A

Chem. Phys. Lett

1972, 13 N3, 262-65

(see. Le Ag2, 1)

HoAu | X-ray-8091 | 1974

Korolis J.
Gingerich K.A.

(Ho) | "J. Chem Phys" 1974, 61
№ 12, 5114-5121 (англ)

(см Au₂; I)

Au Mo

1979

Gingerich K.A.

U.S. Dep. Commer. Nat. Bur. Stand. Spec. Publ. 1979, N 561/1, 289-300

энергия атомиз.

● Cu Ti N ; III

Ho Cu

1979

Hilpert K.

(Do, A.P.) Ber. Bunsenges. Phys. Chem., 1979, 83(2), 161-4.

(см. Cu_2 ; III).

AgHo

1980

Gingerich K.A.,
Current Topics in Materials
Science, Volume 6, edited
by Kaldes E.
Do; North-Holland Publishing
Company, 1980.
(есть оттиск в коробке оттисков
Gingerich).

H@Ce 1981

Hilpert K.

Do Ber. Kernforschungsanlage Juelich 1981, JUEL-1744, 272pp.

(cel. Ce_2; III)

AgHo

2001

135: 99111c **Formation of mixed d- and f-block metal clusters in inert matrixes: comparison of the observed and theoretical optical spectra of AgHo.** Klotzbucher, W. E.; Petrukhina, M. A.; Nemukhin, A. V.; Ermilov, A. Y.; Grigorenko, B. L. (Max-Planck-Institut fur Strahlenchemie, D-45470 Mulheim a.d. Ruhr, Germany). *Spectrochim. Acta, Part A* **2001**, 57A(5), 1093-1101 (Eng), Elsevier Science B.V. The UV-visible spectra obtained after simultaneous cocondensation of Ag and Ho atoms with Ar matrixes at 9 K were studied at 200-800 nm. While no new feature can be obsd. upon deposition, selective irradn. into both Ag or Ho at. absorptions results in growth of a new band at 430 nm, assocd. with formation of a mixed Ag-Ho species, tentatively assigned as AgHo. To support the assignment of the obsd. bands ab initio quantum chem. calcns. were carried out for the dinuclear

(спектр)

C. A. 2001, 135, N7.

and trinuclear Ag and Ho species, using pseudopotential approaches. Results for the electronic excitation energies and corresponding transition dipole moments for the diat. mols. Ag_2, Ho_2, AgHo provide evidence that the 430 nm band should be attributed to the mixed cluster AgHo (theor. band position at 436 nm), while the doublets at 498/504 and 558/563 nm belong to the homonuclear species Ho_2 (theor. values are at 482 and 562 nm). First conclusions are drawn with respect to the formation of the metal trimers Ho_3, Ag_2Ho, $AgHo_2$.